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Naval Dental Research Institute

NDRI - PR 90-03

May 1990

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SUMMARIES OF RESEARCH

FISCAL YEAR 1989

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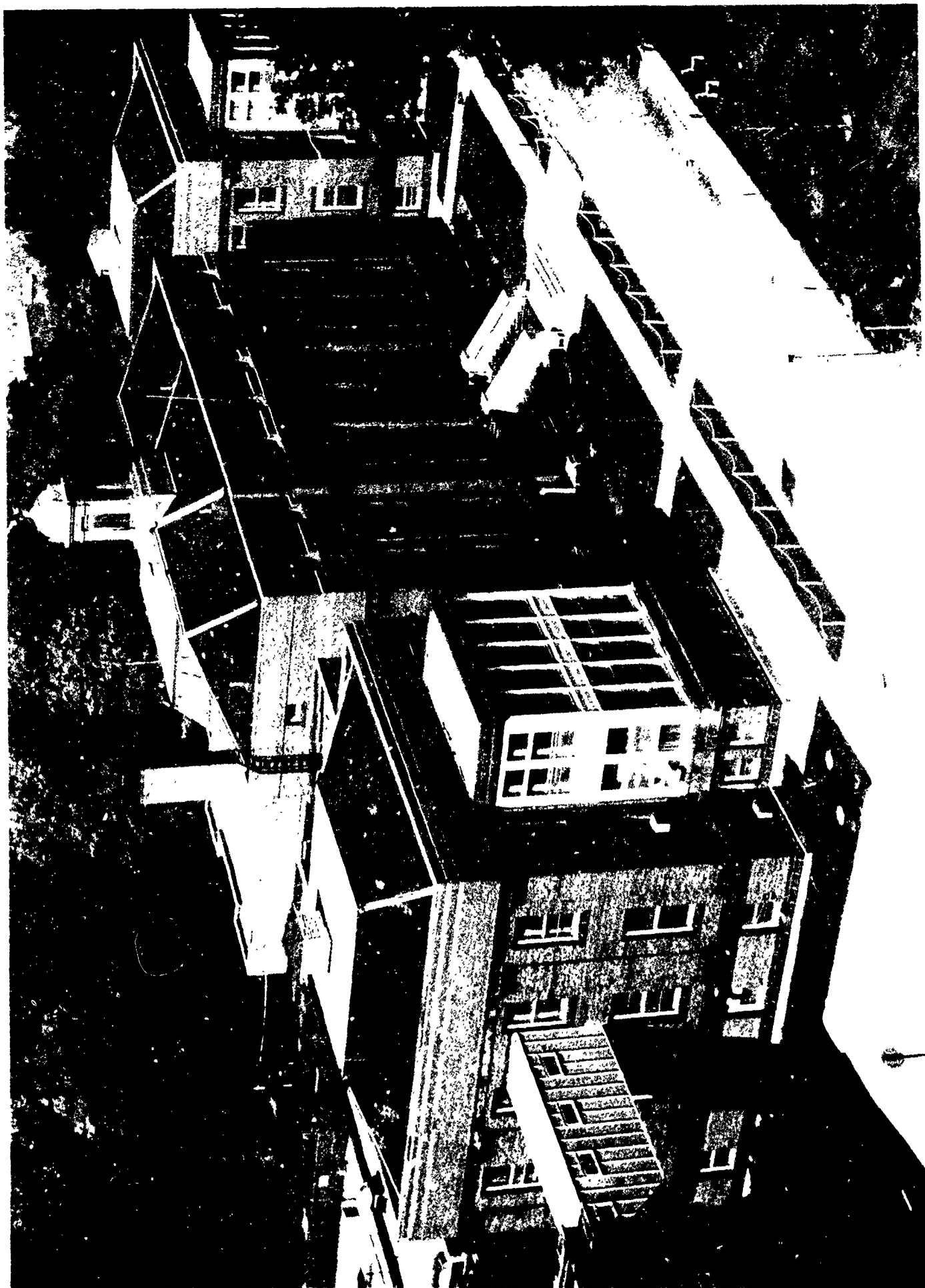
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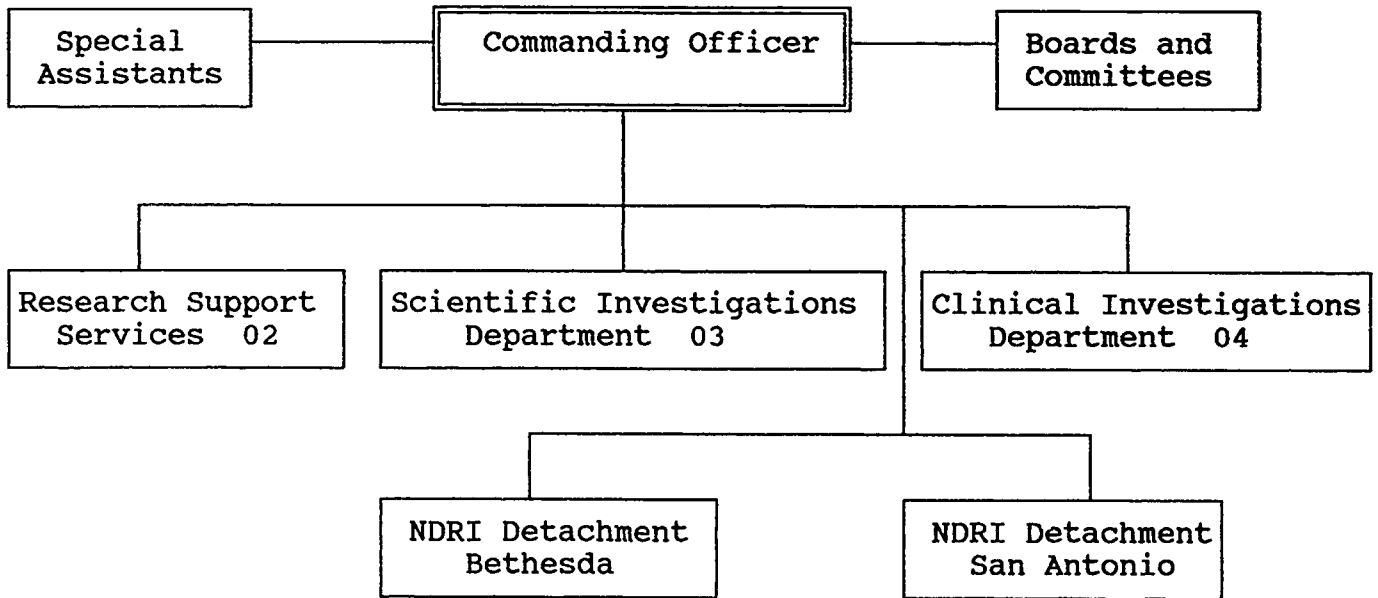
Naval Medical Research and Development Command

Bethesda, Maryland

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NAVAL DENTAL RESEARCH INSTITUTE



COMMAND OVERVIEW

COMMAND

The Naval Dental Research Institute was officially established on 01 January 1967 with an Officer-in-Charge. The Institute was developed from the Dental Research Facility, which was a division of the Dental Department, Naval Administrative Command, Naval Training Center, Great Lakes. The Institute became a fourth echelon command on 17 August 1969 under a Commanding Officer. The command is under the direction of the Naval Medical Research and Development Command.

MISSION

The Institute is responsible for conducting research, development, testing and evaluation in dental and allied sciences, with particular emphasis on the problems of fleet and field dentistry and on dental and oral health in Navy and Marine Corps populations.

PERSONNEL

As of 30 September 1989, there were billets for 8 commissioned officers and 14 enlisted members. Additionally, 13 civilians were employed at the Naval Dental Research Institute.

ORGANIZATION

The Institute has undergone reorganization since 1967. The current organization of three major Departments is reflected on the preceding page. The Scientific Investigations Department consists of the Microbiology, Immunology and Molecular Biology Divisions. Respectively, they carry out required microbiological, immunological and bacteriological analyses; biochemical studies of etiological agents and of host factors involved in oral diseases; assistance, advice and preparation of specimens for histological analysis; and research in the field of laboratory animal medicine and dentistry. The Clinical Investigations Department conducts research related to prevention and treatment of infections, problems of dento-alveolar trauma and injury, and the delivery of optimal dental care for the naval population. The Research Support Department consists of the Administrative, Veterinary Science, and Fiscal/Material Management Divisions. The Research Support Department provides the Institute with administrative, library, veterinary research, fiscal and supply services, and equipment and facility maintenance.

STATEMENT OF SIGNIFICANT ACCOMPLISHMENTS

CLINICAL INVESTIGATIONS DEPARTMENT

Specific accomplishments for FY89 include:

-- Completed a survey of 186 Navy Dental Clinics within CONUS which determined the extent and severity of pre- and post-operative third molar complications in Navy and Marine Corps personnel.

-- Completed a clinical study which evaluated the influence of retained third molars on the periodontal health of second molars.

-- Completed a national survey of periodontal and non-periodontal treatment needs of active duty Navy and Marine Corps personnel. Completed a regional survey of periodontal and non-periodontal treatment needs of SELRES personnel in four midwestern states.

-- Completed a longitudinal evaluation of the durability and longevity of autoclavable handpieces.

-- Taskings from the Chief, Navy Dental Corps, resulted in the development of protocols and the initiation of continuation of studies which:

a. assessed longitudinally dental emergencies in Marine Corps Personnel at all FSSG's;

b. determined costs of infection control at NDC's;

c. continued evaluating complications associated with erupting third molars in 18-24 year old Navy personnel.

d. will sample SELRES personnel throughout CONUS in order to determine their periodontal and non-periodontal treatment needs.

e. will evaluate the cost-effectiveness of placing sealants on incipient lesions in young Navy recruits.

-- Continued a collaborative study with investigators at University of Michigan, School of Public Health, entitled "Oral Effects of Smokeless Tobacco on Navy Men."

-- Seven abstracts were presented at AADR and IADR. One technical report was published. Two manuscripts were submitted or accepted for publication.

STATEMENT OF SIGNIFICANT ACCOMPLISHMENTS (Continued)

SCIENTIFIC INVESTIGATIONS DEPARTMENT

During FY89, the Scientific Investigations Department has continued studies aimed at improving military readiness by identifying military patients that are at high risk of a dental emergency by the use of human host response factors, rapid immunodiagnostic assays with monoclonal antibodies, DNA probes, and microbial enzyme diagnostic indicators. During FY89 the Scientific Investigations Department performed quantitative surveys for Treponema denticola and Bacteroides gingivalis in subgingival human plaque samples. The results showed that I. denticola antigen is a specific spirochete component that is elevated in severe periodontitis and may be a diagnostic indicator of this disease, although some serovars, such as serovar c, may be relatively rare among certain human populations.

Some specific accomplishments for FY89 include:

-- Assays have been developed for a number of host response molecules such as immune complexes, elastase, cathepsin-G, alpha-antitrypsin, alpha-2-macroglobulin, lactoferrin, and C-1 esterase; these molecules may be used as possible diagnostic and prognostic markers of active periodontal disease.

-- Immunoassay procedures using monoclonal antibodies revealed that I. denticola and possibly B. gingivalis levels must be reduced in order to obtain improved periodontal health at a site treated for adult periodontitis. This is further evidence of the association of I. denticola with severe periodontal disease.

-- Treponema denticola was also discovered in the tissues of patients having acute necrotizing ulcerative gingivitis.

-- A genetic library for this spirochete has been initiated. A procedure for screening the gene bank with monoclonal antibodies directed at I. denticola serovars B and C has been developed. The procedure uses whole cells and the detection system is an enzyme.

-- A new work unit was also initiated involving the rice rat as an animal model for human periodontal disease.

ADDENDUM TO
SUMMARIES OF RESEARCH - FISCAL YEAR 1989

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NAVAL DENTAL RESEARCH INSTITUTE
BUILDING 1-H
GREAT LAKES, ILLINOIS 60088-5259



SUMMARIES OF RESEARCH
Fiscal Year 1989

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These summaries cover research carried out from 01 October 1988 through 30 September 1989.

This document has been approved for public release; its distribution is unlimited.

Approved and released by:

J. C. CECIL III
Captain, Dental Corps
United States Navy
Commanding Officer

WORK UNITS - FISCAL YEAR 1989

63514 S1121SL24 396-0 - Shield, Ballistic Face Mark 72 Mod 0

63706N M0095003-3028 - Evaluation of New Methods to Prevent and Treat Dental Emergencies in Naval Personnel

61153N MR04120.002 0051 - Host Responses to Periodontopathic Microorganisms in Navy and Marine Corps Personnel

61102A 3M161102BS10 DA 440-0 - Development and Evaluation of Methods to Prevent or Intercept Acute Dental Conditions

62775A 3S162775A825 AA 088-0 - Evaluation of the Effects of New Approaches on Wound Healing

INDEPENDENT RESEARCH WORK UNITS

61152N MR00001.01.0055 - An In Vitro Study of the Membrane Potential and Calcium Homeostasis of Alveolar Bone Cells Using Fluorescent Indicators

61152N MR00001.01.0059 - The Relationship of C-Reactive Protein (CRP) to Periodontal Disease

61152N MR00001.01.0060 - Identification of Microorganisms Causing Periodontal Disease in the Rice Rat (Oryzomys palustris)

61152N MR00001.01.0061 - Cloning and Characterization of Protease-type Enzymes from Treponema denticola Associated with Periodontal Disease

SCIENTIFIC JOURNAL PUBLICATIONS

Kelly, J. R., Davis, S. H. and Campbell, S. D.
Nondestructive, Three-Dimensional Internal Fit Mapping of Fixed
Prostheses. Journal of Prosthetic Dentistry 61:368-373, 1989.

Lamberts, B. L., Pederson, E. D., Bial, J. J. and Tombasco,
P. K. Fibronectin Levels of Unstimulated Saliva from Naval
Recruits With and Without Chronic Inflammatory Periodontal
Disease. Journal of Clinical Periodontology 16:342-346, 1989.

Turner, D. W., Dai, G. J., Merrell, B. and Robinson, P. J.
Serum and Gingival Tissue Antibody Levels to Oral Microbial
Antigens in Human Chronic Adult Periodontitis. Microbios 60:
133-140, 1989.

RESEARCH PROGRESS REPORTS - FY 1989

NDRI-PR 88-08	False Positive Rates in the Determination of Changes in Probing Depth-Related Periodontal Measurements
NDRI-PR 88-09	Periodontopathic Micro-Organisms in the Rice Rat (<u>Oryzomys palustris</u>)
NDRI-PR 89-01	Summaries of Research - Fiscal Year 1988
NDRI-PR 89-02	Detecting Dental Epidemics
NDRI-PR 89-03	Effect of Root-Surface Modification of Human Teeth on Adherence of Fibronectin
NDRI-PR 89-04	Nondestructive, Three-Dimensional Internal Fit Mapping of Fixed Prostheses
NDRI-PR 89-05	Fibronectin Levels of Unstimulated Saliva from Naval Recruits With and Without Chronic Inflammatory Periodontal Disease

FORMAL PRESENTATIONS MADE AT MEETINGS OF SCIENTIFIC
SOCIETIES/GROUPS

OCTOBER 1988

COHEN, M. E., presented "New Concepts of Periodontal Disease: Main Themes and Statistical Problems in Supportive Evidence" at Naval Dental Clinic, Bethesda, Maryland.

RODDEN, J. W., presented "Future of Navy Dentistry" at the Naval Reserve Symposium, Naval Dental School, Bethesda, Maryland.

DECEMBER 1988

ISLEY, D. R., presented the Chief of Naval Operations Soviet Seapower to the Blue Island Rotary Club.

SIMONSON, L. G., presented "Monoclonal Antibodies and Immunodiagnosis of Periodontal Disease" at the Chicago Section of the American Association for Dental Research at Loyola University, Maywood, Illinois.

JANUARY 1989

COHEN, M. E., presented "Experimental Design - What Are the Options and How to Choose" to the dental faculty at the Naval Hospital, Bethesda, Maryland.

MARCH 1989

The following presentations were given at the 31st Navy Occupational Health and Preventive Medicine Workshop held in Virginia Beach, Virginia:

ARTHUR, J. S., "OSHA in the Dental Office - Infection Control"

KUEHNE, J. C., "Effects of Steam Autoclaving on Dental Handpieces"

PEDERSON, E. D., "OSHA in the Dental Office - Hazardous Materials"

The following presentations were given at the 18th Annual Session of the American Association for Dental Research in San Francisco, California:

COHEN, M. E., "A Simulation Method for Testing Dependencies in Periodontal Microbiota"

KUEHNE, J. C., "Dentists' Evaluation of Autoclavable High-Speed Dental Handpieces"

FORMAL PRESENTATIONS MADE AT MEETINGS OF SCIENTIFIC SOCIETIES/
GROUPS (Continued)

MARCH 1989 (Continued)

MONROE, S. B., "Factors in a Subjective Analysis of
High-Speed Dental Handpieces"

MORTON, H. E., "Hybridoma Cell Growth and Monoclonal
Antibody Yield in Serum Free Media"

PEDERSON, E. D., "A Sensitive ELISA-Based Assay for C-
Reactive Protein"

SIMONSON, L. G., "Treponema denticola Serotypes and
Solubilization of Type-Specific Antigen"

APRIL 1989

SIMONSON, L. G., presented "Quantitative Immunoassay of
Treponema denticola in Adult Periodontitis" at an International
Symposium on the Biology and Pathogenicity of Treponemes in
Birmingham, England.

JUNE 1989

The following presentations were given at the 67th General
Session of the International Association for Dental Research in
Dublin, Ireland:

COHEN, M. E., "Patients' Retrospective Preference for
Asymptomatic Third Molar Removal"

PEDERSON, E. D., "Periodontal Treatment Effect on
Levels of Microbial Trypsin-like Enzyme"

RODDEN, J. W., "Influence of Third Molars on
Periodontal Health of Second Molars"

SIMONSON, L. G., "Changes in I. denticola and B.
gingivalis Population Levels Following Periodontal
Therapy"

PARTICIPATION IN PROFESSIONAL PROGRAMS AND OTHER MEETINGS

OCTOBER 1988

ARTHUR, J. S., attended the Annual American Board of Dental Public Health meeting in Washington, D. C.

ARTHUR, J. S., attended the American Association of Public Health Dentistry in Washington, D. C.

MAPES, T. L., attended Internal Control Systems: An Overview and Internal Control Reviews to Avoid Waste, Fraud and Abuse in Washington, D. C.

RODDEN, J. W., participated in the Naval Reserve Seminar Future of Navy Dentistry in Bethesda, Maryland.

SIMONSON, L. G., attended the Chicago Section of the American Association for Dental Research at Northwestern University, Chicago, Illinois.

WALTER, R. G., attended the Annual Surgeon General's Conference in Leesburg, Virginia.

The 74th Annual Meeting of the American Academy of Periodontology in San Diego, California was attended by:

HAMILTON, P. M.
RODDEN, J. W.

WALTER, R. G.

The following personnel attended the 95th annual meeting of the Association of Military Surgeons of the United States in San Antonio, Texas:

ISLEY, D. R.
KUEHNE, J. C.

SCHUTT, R. W.
WALTER, R. G.

The following personnel attended training for care of non-human primates at Wright Patterson Air Force Base, Ohio.

HALL, J. A.
MONROE, S. B.

WRIGHT, G. A.

NOVEMBER 1988

COHEN, M. E., attended the American Public Health Association Task Force on Design and Analysis in Dental and Oral Research in Boston, Massachusetts.

DIEHL, M. C., attended the 12th Symposium on Computer Applications in Medical Care in Washington, D. C.

PARTICIPATION IN PROFESSIONAL PROGRAMS AND OTHER MEETINGS
(Continued)

NOVEMBER 1988 (Continued)

ISLEY, D. R., attended Effective Briefing Techniques at Fort Sheridan, Illinois.

The 6th International Dental Congress in Alexandria, Egypt was attended by:

SIMONSON, L. G.

WALTER, R. G.

The Chicago Safety Expo '88 was attended by:

BERRY, S. T.

PEDERSON, E. D.

DECEMBER 1988

SCHUTT, R. W., completed Pharmacology for General Practitioners conducted by Naval Dental Clinic, Naval Medical Command, National Capital Region, Bethesda, Maryland.

SCHUTT, R. W., attended Impression Materials Seminar conducted by the Naval Dental Clinic, Great Lakes, Illinois.

STATON, C., attended Motivation for Improved Performance and Self-Management at Great Lakes, Illinois.

WRIGHT, G. A., attended the course Upgrade, Repair, Maintenance, and Trouble Shooting of the IBM Computer in Chicago, Illinois.

The Chicago Section of the American Association for Dental Research meeting, at Loyola University, Maywood, Illinois, was attended by:

KEARNS, E.

NILIUS, A. M.

The Naval Medical Research and Development Command Commanding Officers' Conference in Bethesda, Maryland was attended by:

SIMONSON, L. G.
WALTER, R. G.

WRIGHT, G. A.

JANUARY 1989

The Quality Assurance meeting in Bethesda, Maryland was attended by:

ARTHUR, J. S.
RODDEN, J. W.

WALTER, R. G.

PARTICIPATION IN PROFESSIONAL PROGRAMS AND OTHER MEETINGS
(Continued)

JANUARY 1989 (Continued)

The Chicago Section of the American Association for Dental Research meeting, in Chicago, Illinois, was attended by:

KUEHNE, J. C.

NILIUS, A. M.

SCHUTT, R. W.

SIMONSON, L. G.

FEBRUARY 1989

ISLEY, D. R., attended the American College of Health Care Executives meeting in Chicago, Illinois.

KUEHNE, J. C., attended Infection Control in the Dental Office conducted by Naval Dental School, Bethesda, Maryland.

RODDEN, J. W., attended the Gore Tek Guided Tissue Regeneration Workshop in Chicago, Illinois.

MARCH 1989

ISLEY, D. R., attended the Northern Illinois Health Care Administrators Forum at the University of Health Sciences/Chicago Medical School, North Chicago, Illinois.

KUEHNE, J. C., attended the Cost Effective Analysis seminar of the American Association for Dental Research in San Francisco, California.

KUEHNE, J. C., attended the American Dental Association Standards Committee meeting in San Francisco, California.

The Managing Conflict course in Great Lakes, Illinois, was attended by:

LARSON, D. D.

MAPES, T. L.

The 18th Annual Session of the American Association for Dental Research in San Francisco, California was attended by:

COHEN, M. E.

DIEHL, M. C.

HAMILTON, P. M.

KUEHNE, J. C.

MAPES, T. L.

MONROE, S. B.

MORTON, H. E.

NILIUS, A. M.

PEDERSON, E. D.

RODDEN, J. W.

SCHUTT, R. W.

SIMECEK, J. W.

SIMONSON, L. G.

WALTER, R. G.

PARTICIPATION IN PROFESSIONAL PROGRAMS AND OTHER MEETINGS
(Continued)

MARCH 1989 (Continued)

The Navy Occupational Health and Preventive Medicine meeting in Virginia Beach, Virginia was attended by:

KUEHNE, J. C.
PEDERSON, E. D.

WALTER, R. G.

APRIL 1989

HAMILTON, P. M., conducted the Enlisted Casualty Treatment Training Course at Naval Dental Clinic, Great Lakes, Illinois.

ISLEY, D. R., attended DON Computer Security Accreditation Requirements in Great Lakes, Illinois.

ISLEY, D. R., attended the Northern Illinois Health Care Administrators Forum at the University of Health Sciences/Chicago Medical School, North Chicago, Illinois.

KLINE, S. L., attended a Secretarial Seminar in Chicago, Illinois.

MAPES, T. L., attended DON Risk Management Concepts and Methodologies course in Great Lakes, Illinois.

PEDERSON, E. D., attended "Introduction to Industrial Hygiene for Safety Personnel" in Des Plaines, Illinois.

RODDEN, J. W., attended the Third International Symposium on Periodontic and Restorative Dentistry in Boston, Massachusetts.

SIMECEK, J. W., attended the "Restorative Dentistry" course at Naval Dental Clinic, Great Lakes, Illinois.

SIMECEK, J. W., participated in the Enlisted Casualty Treatment Training Course held at Naval Dental Clinic, Great Lakes, Illinois.

SIMONSON, L. G., attended the Biology and Pathogenicity of Treponemes symposium sponsored by the World Health Organization at the University of Birmingham, Birmingham, England.

The Chicago Section of the American Association for Dental Research meeting in Chicago, Illinois was attended by:

SCHUTT, R. W.

SIMONSON, L. G.

PARTICIPATION IN PROFESSIONAL PROGRAMS AND OTHER MEETINGS
(Continued)

APRIL 1989 (Continued)

The Second Biennial Conference for Recruit Training Command Dental Activities at Orlando, Florida was attended by:

ARTHUR, J. S.
SIMECEK, J. W.

WALTER, R. G.

Technical training on Fluorescence Concentration Analyzer conducted by Baxter Laboratory in Mundelein, Illinois was attended by:

MORTON, H. E.
NILIUS, A. M.

SIMONSON, L. G.

MAY 1989

COHEN, M. E., attended the Task Force on Design and Analysis meeting in Philadelphia, Pennsylvania.

HAMILTON, P. M., conducted the Enlisted Casualty Treatment Training Course at Naval Dental Clinic, Great Lakes, Illinois.

ISLEY, D. R., attended the Navy Practical Comptrollership course in Monterey, California.

The Chicago Section of the American Association for Dental Research meeting in Great Lakes, Illinois was attended by:

ARTHUR, J. S.
COHEN, M. E.
HAMILTON, P.M.
KUEHNE, J. C.
MAPES, T. L.
NILIUS, A. M.

PEDERSON, E. D.
RODDEN, J. W.
SCHUTT, R. W.
SIMECEK, J. W.
SIMONSON, L. G.
WALTER, R. G.

The annual meeting of American Society for Microbiology in New Orleans, Louisiana was attended by:

MAPES, T. L.

NILIUS, A. M.

The Macintosh Seminar in Chicago, Illinois was attended by:

COHEN, M. E.
MORGAN, L. G.
NILIUS, A. M.

PEDERSON, E. D.
SIMECEK, J. W.
WRIGHT, G. A.

PARTICIPATION IN PROFESSIONAL PROGRAMS AND OTHER MEETINGS
(Continued)

JUNE 1989

BERRY, S. T., attended Enable Integrated Software Package sponsored by Navy Data Automation Facility in Great Lakes, Illinois.

LARSON, D. D., attended Canine Research Environment and Well Being of Non-Human Primates in Bethesda, Maryland.

MONROE, S. B., attended Introduction to Microcomputers and DOS I sponsored by Navy Data Automation Facility in Great Lakes, Illinois.

SIMECEK, J. W., attended Heat Sterilization: Controversies, Mechanics, Equipment, Standards and Monitoring at the University of Texas, San Antonio, Texas.

SIMECEK, J. W., attended the Fourth Conference on Infectious Diseases and Their Control in Dentistry at the University of Texas, San Antonio, Texas.

SIMONSON, L. G., attended the Chicago Section of the American Association of Dental Research in Chicago, Illinois.

WALTER, R. G., attended the National Advisory Dental Research Council in Bethesda, Maryland.

The 67th General Session of the International Association for Dental Research in Dublin, Ireland was attended by:

COHEN, M. E.
KUEHNE, J. C.
PEDERSON, E. D.

RODDEN, J. W.
SIMONSON, L. G.
WALTER, R. G.

The Supervisory Safety Training course conducted in Great Lakes, Illinois, was attended by:

HAMILTON, P. M.
ISLEY, D. R.
LARSON, D. D.
MAPES, T. L.

NILIUS, A. M.
SIMECEK, J. W.
STATON, C.
WRIGHT, G. A.

JULY 1989

ARTHUR, J. S., attended a workshop on How to Manage Multiple Priorities in Milwaukee, Wisconsin.

MAPES, T. L., was guest speaker at the graduation for Hospital Corps School, Great Lakes, Illinois.

PARTICIPATION IN PROFESSIONAL PROGRAMS AND OTHER MEETINGS
(Continued)

JULY 1989 (Continued)

STEWART, S. P., attended the Federally Employed Women's Training Seminar in Memphis, Tennessee.

WALTER, R. G., attended the Specialty Advisors meeting with the Chief, Navy Dental Corps in Bethesda, Maryland.

WRIGHT, G. A., attended the course Troubleshooting and Repairing the Zenith Microcomputer at Chicago, Illinois.

AUGUST 1989

BERRY, S. T., attended MS-DOS II sponsored by Navy Data Automation Facility in Great Lakes, Illinois.

PEDERSON, E. D., attended "General Hazards and Control of Laboratories" in Des Plaines, Illinois.

SIMONSON, L. G., participated in the first "Scientific Advisory Board" meeting of the Naval Medical Research and Development Command in Pensacola, Florida.

SEPTEMBER 1989

CECIL III, J. C., attended the Third Annual Surgeon General's Conference and Research meeting with the United States Army Institute of Dental Research in Fort Mead, Maryland.

KUEHNE, J. C., attended the International Organization for Standardization for Dental Handpieces, Dental Burs and Artificial Denture Teeth in Rotterdam, The Netherlands.

NILIUS, A. M., attended the 14th Annual Introductory Course on Liquid Chromatography in Chicago, Illinois.

The Chicago Section of the American Association for Dental Research at Northwestern Dental School, Chicago, Illinois was attended by:

CECIL III, J. C.

SIMONSON, L. G.

DISTINGUISHED VISITORS

OCTOBER 1988

L. Hull, Tekscan, Schaumburg, Illinois.

L. M. Kaste, Harvard University, Boston, Massachusetts.

DECEMBER 1988

Dr. J. A. Weintraub, School of Dentistry, University of North Carolina, Chapel Hill, North Carolina.

S. Eklund, University of Michigan, Ann Arbor, Michigan.

Dr. Yotis, Loyola University Medical School, Maywood, Illinois.

JANUARY 1989

RADM H. J. Sears, MC, USN, Commander Naval Medical Command, Washington, D. C.

Dr. Yotis, Loyola University Medical School, Maywood, Illinois.

FEBRUARY 1989

D. E. Chadwick, Dentsply International, York, Pennsylvania.

RADM M. C. Clegg, DC, USN, Chief, Navy Dental Corps, Office of the Chief of Naval Operations, Washington, D. C.

J. Heyde, Dentsply International, York, Pennsylvania.

CAPT T. W. Mansfield, DC, USN, Naval Medical Command, Northeast Region, Great Lakes, Illinois.

J. O. Semmelman, Dentsply International, York, Pennsylvania.

Dr. J. A. Weintraub, School of Dentistry, University of North Carolina, Chapel Hill, North Carolina.

Dr. Yotis, Loyola University Medical School, Maywood, Illinois.

APRIL 1989

CAPT J. C. Cecil III, DC, USN, Navy Inspector General Office, Washington, D. C.

DISTINGUISHED VISITORS (Continued)

APRIL 1989 (Continued)

CAPT D. Nelson, MC, USN, Navy Inspector General Office,
Washington, D. C.

CAPT J. N. Woody, MC, USN, Commanding Officer, Naval Medical
Research and Development Command, Bethesda, Maryland.

CDR D. D. Woofter, DC, USN, Naval Medical Command,
Washington, D. C.

MAY 1989

J. Bortman, Navy Technology Transfer Coordinator, NADC,
Warminster, PA.

L. Forgas, University of Oklahoma, Oklahoma City, Oklahoma.

J. L. Hartwig, Northwestern University Dental School,
Chicago, Illinois.

R. Pranger, Northwestern University Dental School, Chicago,
Illinois.

JUNE 1989

G. C. Battistone, U. S. Army Institute of Dental Research,
Washington, D. C.

J. L. Hartwig, Northwestern University Dental School,
Chicago, Illinois.

Dr. M. H. Middleton, Denver, Colorado.

COL W. R. Posey, DC, USA, Commander U. S. Army Institute of
Dental Research, Washington, D. C.

B. Snyder, Eastman Kodak Company, Rochester, New York.

P. Steinhausen, Eastman Kodak Company, Rochester, New York.

JULY 1989

J. L. Hartwig, Northwestern University Dental School,
Chicago, Illinois.

K. Johnson, Safety Manager, Naval Medical Research and
Development Command, Bethesda, Maryland.

Dr. R. Shapiro, Chief of Oral and Maxillofacial Surgery,
University of Chicago, Chicago, Illinois.

DISTINGUISHED VISITORS (Continued)

AUGUST 1989

J. Bortman, Navy Technology Transfer Coordinator, NADC, Warminster, PA.

L. B. Forgas, College of Dentistry, University of Oklahoma, Oklahoma City, Oklahoma.

J. L. Hartwig, Northwestern University Dental School, Chicago, Illinois.

Dr. B. F. Kepley, Dental Service, VA Medical Center, North Chicago, Illinois.

Dr. B. Markowski, Dental Service, VA Medical Center, North Chicago, Illinois.

LCDR K. T. McMahon, DC, USN, Naval Medical Research Unit #3, Cairo, Egypt.

Dr. T. R. Schmidt, Dental Service, VA Medical Center, North Chicago, Illinois.

Dr. J. A. Weintraub, School of Dentistry, University of North Carolina, Chapel Hill, North Carolina.

SEPTEMBER 1989

CAPT G. R. Greiveldinger, Commanding Officer Naval Legal Service Office, Great Lakes, Illinois.

Dr. R. D. May, Department of Microbiology, Southwestern Medical Center, University of Texas, Dallas, Texas.

CAPT K. Meeks, Commanding Officer, Navy Public Works Center, Great Lakes, Illinois.

LT N. Slivka, Public Affairs Office, Commander Naval Training Center, Great Lakes, Illinois.

Dr. Towle, Chairman, Biology Department, Lake Forest College, Lake Forest, Illinois.

CAPT J. Werrell, Commanding Officer, Naval Dental Clinic, Philadelphia, Pennsylvania.

Dr. W. Yotis, Loyola University Medical School, Maywood, Illinois.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS



Captain J. N. Woody, MC, USN, presenting a plaque to
Captain R. G. Walter, DC, USN, at the Naval Dental
Research Institute Change of Command ceremony.

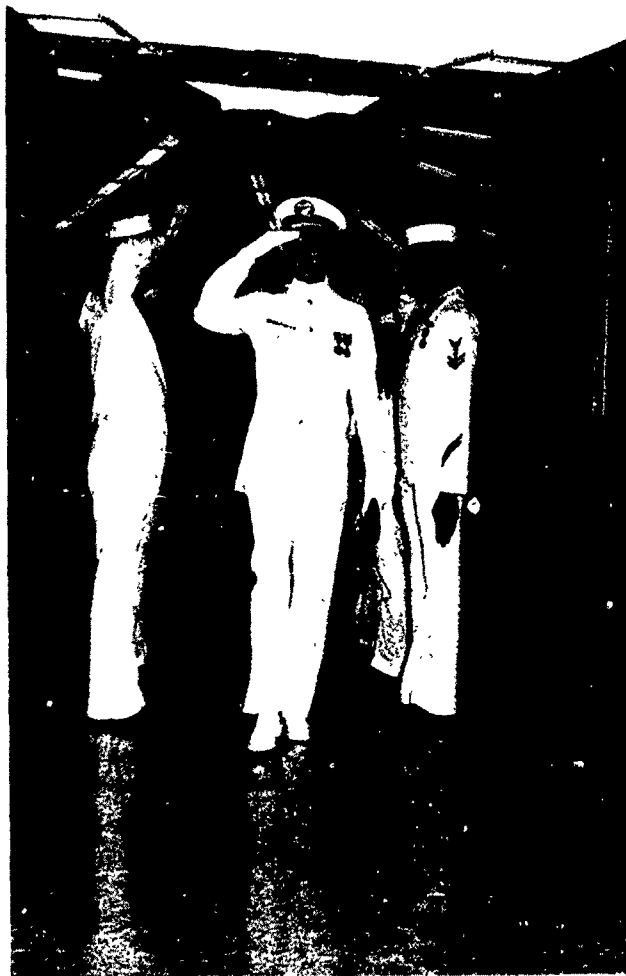


Captain J. C. Cecil III, DC, USN, delivering his
remarks at the Naval Dental Research Institute
Change of Command ceremony.

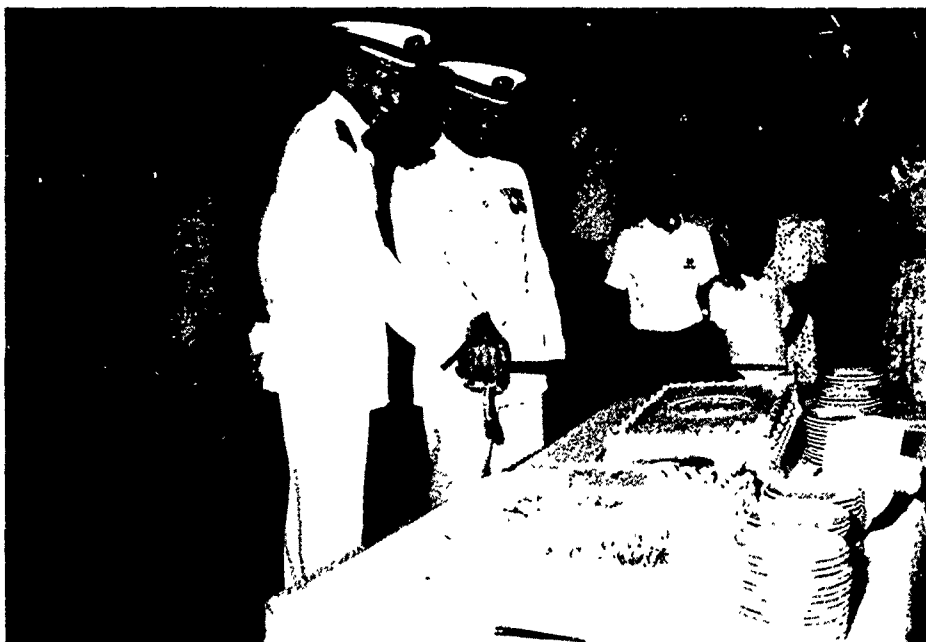
HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)



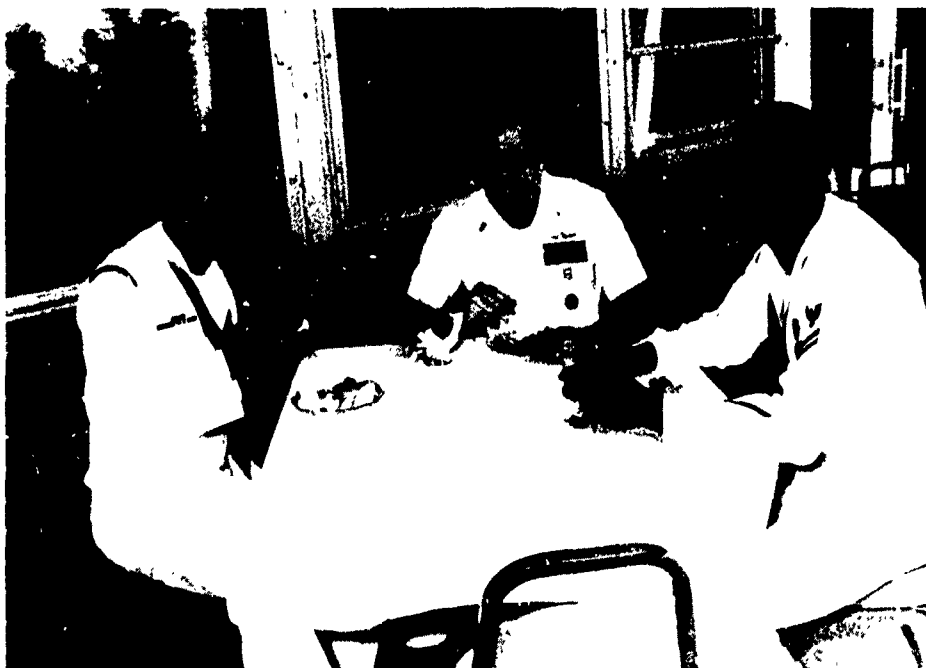
Naval Dental Research
Institute being piped
ashore from the Change
of Command ceremony.



Captain R. G. Walter, DC,
USN, being piped ashore
from the Naval Dental
Research Institute Change
of Command Ceremony.



Captain R. G. Walter, DC, USN, and Captain J. C. Cecil III, DC, USN, cutting the ceremonial cake at the Naval Dental Research Institute Change of Command reception.



DT1 C. Staton, HMCM A. J. Tremblay, and HM2 L. C. Neil enjoying refreshments at the Naval Dental Research Institute Change of Command reception.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)

OCTOBER 1988

CDR J. S. Arthur received certification as a Diplomat of the American Board of Dental Public Health.

DT2 M. J. James received a Letter of Commendation upon her transfer to Branch Dental Clinic, Naval Amphibious Base, Little Creek, Norfolk, Virginia.

CDR J. W. Rodden, was elected to the "Federal Affairs Committee" of District 8 of the American Academy of Periodontology.

Dr. L. G. Simonson, was invited to review a grant for the Medical Research Council of Canada.

DT2 E. L. Tuten received a Letter of Commendation from the Commanding Officer upon his discharge from the U. S. Navy.

CAPT R. G. Walter, was guest speaker at the 95th Annual Association of Military Surgeons of the United States in San Antonio, Texas.

NOVEMBER 1988

HM1 S. D. Encabo received a Letter of Commendation from the Commanding Officer for his selection as NDRI Sailor of the Quarter from 01 July 1988 - 30 September 1988.

DT2 S. Gallagher reported for duty from the USS Constellation.

DT2 R. W. Gamble received a Letter of Commendation upon his transfer to the USS Nassau.

LT P. M. Hamilton was promoted to Lieutenant Commander.

LCDR J. C. Kuehne received a Letter of Appreciation for his participation in the success of the 1988 Navy Ball from Commander, Naval Training Center, Great Lakes, Illinois,

DA S. B. Monroe received a Navy Achievement Medal.

HM2 H. E. Morton received a Good Conduct Award.

Dr. A. M. Nilius joined the staff of the Microbiology Division.

Dr. L. G. Simonson received a 20-Year Service Award.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)

NOVEMBER 1988 (Continued)



Lieutenant P. M. Hamilton, DC, USN, taking the oath
of office for Lieutenant Commander from Captain
R. G. Walter, DC, USN, Commanding Officer.



Captain R. G. Walter, DC, USN, presenting DA S. B. Monroe
with a Navy Achievement Medal.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)

NOVEMBER 1988 (Continued)



Captain R. G. Walter, DC, USN presenting SKC G. A. Wright the Navy Commendation Medal awarded from the U. S. Navy Third Fleet.

DECEMBER 1988

LCDR J. W. Simecek reported for duty from Naval Dental Clinic, Orlando, Florida.

JANUARY 1989

Dr. M. E. Cohen received a Letter of Appreciation for his presentation "Experimental Design - What Are the Options and How to Choose", given to the faculty of the Naval Dental School, from the Commanding Officer, Naval Dental Clinic, Naval Medical Command, National Capitol Region, Bethesda, Maryland.

DN A. L. Carroll was frocked to E-4.

DT2 R. J. Evans received a Navy Achievement Medal.

LT D. R. Isley received the Navy League of Lake County Award.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)

JANUARY 1989 (Continued)

HM2 L. C. Neil received a Letter of Commendation from the Commanding Officer for his selection as NDRI Sailor of the Quarter for the period 01 October 1988 - 31 December 1988.

HM2 L. C. Neil received a Good Conduct Award.

Dr. A. M. Nilius was promoted to GS-11 Microbiologist.

Ms. C. Thrash received a Letter of Appreciation upon her transfer from the Personnel Support Division to the Naval Training Center Library, Great Lakes, Illinois.

The following personnel received a Letter of Appreciation from the Commander, Naval Training Center, for volunteering as Combined Federal Campaign keypersons:

DT2 R. J. Evans

Ms. S. P. Stewart

FEBRUARY 1989

Ms. S. A. Harris joined the staff of the Personnel Support Division.

Mr. E. M. Jackson joined the staff of the Scientific Investigations Department.

CAPT J. W. Rodden was selected for "Who's Who In The Midwest".

MARCH 1989

CDR J. S. Arthur was selected for promotion to Captain.

DT3 J. A. Hall received a Good Conduct Award.

LT D. R. Isley and family received the Great American Family Award from the Commander, Naval Training Center, Great Lakes, Illinois.

DT2 L. G. Morgan reported for duty from Naval Dental Clinic, Pearl Harbor, Hawaii.

Mr. D. K. Lenkoski resigned from the Veterinary Sciences Division.

MAY 1989

DN A. L. (Carroll) Day was promoted to E-4.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)

MAY 1989 (Continued)

DT2 R. J. Evans received a Good Conduct Award.

Mr. E. M. Jackson resigned from the Scientific Investigations Department.

LCDR P. M. Hamilton received a Letter of Appreciation for being course director of the Naval Dental Clinic Casualty Care training program from the Commanding Officer, Naval Dental Clinic, Great Lakes, Illinois.

DT2 W. M. Hogan reported for duty from Naval Hospital, Guam.

Dr. E. A. Kearns received a Letter of Commendation from the Commanding Officer upon her resignation.

DA S. B. Monroe was advanced to E-3.

Dr. L. G. Simonson received a Special Act Award.

DT1 C. Staton received a Good Conduct Award.

JUNE 1989

DT2 R. J. Evans received a Letter of Commendation from the Commanding Officer upon her transfer to Naval Military Personnel Command, Washington, D. C.

DT3 J. A. Hall received a Letter of Commendation from the Commanding Officer upon her transfer to Naval Dental Clinic, Pearl Harbor, Hawaii.

HM2 H. E. Morton received a Letter of Commendation from the Commanding Officer for his selection as NDRI's Sailor of the Year.

Mr. E. D. Pederson received a Letter of Commendation from the Commanding Officer for his selection as NDRI's Civilian of the Half Year for the six months ending 31 March 1989.

Dr. L. G. Simonson was asked to be the "Lunch and Learn" speaker for the Microbiology/Immunology Group at the 1990 International Association for Dental Research.

JULY 1989

DT3 A. L. Day received a Letter of Appreciation from the Commanding Officer upon her transfer to Naval Dental Clinic, San Diego, California.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)

JULY 1989 (Continued)

Ms. S. A. Harris transferred from the Personnel Support Division to the Naval Hospital, Great Lakes, Illinois.

CDR J. W. Rodden was promoted to Captain.

LT R. W. Schutt was promoted to Lieutenant Commander.

Dr. L. G. Simonson, was appointed a member of the Scientific Advisory Board of Naval Medical Research and Development Command, Bethesda, Maryland.

DT2 F. T. Smith reported for duty from Naval School of Dental Assisting and Technology, San Diego, California.

AUGUST 1989

CAPT J. C. Cecil III reported for duty from the Office of the Naval Inspector General, Washington, D. C.

On 16 August 1989 CAPT James C. Cecil III, DC, USN, relieved CAPT Robert G. Walter, DC, USN, as Commanding Officer of Naval Dental Research Institute, Great Lakes, Illinois.

CDR J. S. Arthur received a Letter of Commendation upon his transfer to Naval Dental Research Unit, National Naval Medical Center, Bethesda, Maryland.

CAPT J. C. Cecil III received a second Meritorious Service Medal for his services on the Navy Inspector General Staff.

LCDR P. M. Hamilton received a Letter of Commendation from the Commanding Officer upon his transfer to Camp Foster, Okinawa, Japan.

Ms. C. J. M. Lemley joined the staff of the Personnel Support Division.

DR A. M. Westlake reported for duty from Naval School of Dental Assisting and Technology, San Diego, California.

SEPTEMBER 1989

HM3 S. T. Berry received a Letter of Commendation from the Commanding Officer for his selection as NDRI's Sailor of the Half-Year for the period 31 January 1989 - 30 June 1989.

Dr. M. E. Cohen received a Letter of Appreciation for statistical support from the Dental Department, Naval Hospital, Oakland, California.

HONORS, AWARDS, POSITIONS HELD, CEREMONIES, STAFF ARRIVALS/
DEPARTURES AND REENLISTMENTS (Continued)

SEPTEMBER 1989 (Continued)

Ms. L. B. Forgas joined the staff of the Clinical Investigations Department.

DT2 W. M. Hogan received a Navy Achievement Medal and citation from the Commander U. S. Naval Forces Marianas, U. S. Pacific Fleet.

DT2 W. M. Hogan was appointed Head, Veterinary Sciences Division.

The Veterinary Sciences Division was transferred from the Scientific Investigations Department to the Research Support Department.

LCDR K. T. McMahon, DC, USN, reported for duty from Naval Medical Research Unit #3, Cairo, Egypt.

Mr. M. I. Putrus received a Letter of Commendation upon his resignation from the Scientific Investigations Department.

CAPT R. G. Walter, DC, USN, detached for duty as Commanding Officer, Naval Submarine Medical Research Laboratory in Groton, CT.

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